

Draft DAT notes for May 10, 2012

Attendees: Angela Llaban, Andy Chu, Edmund Yu, Kevin Reece, Mike Ford and Wenli Yin (DWR), Lucinda Shih (CCWD), Geir Aasen, Julio Adib-Samii and Lauren Damon (CDFG), Craig Anderson, Erin Gleason and Jon Speegle (FWS), RG Fernando (MWD), Allison Febbo (SWC)

Salmonid Monitoring

Species*	Red Bluff Diversion Dam RST	Tisdale Weir RST	Knights Landing RST
Date	4/22/2012 to 5/05/2012	5/03/2012 to 5/09/2012	5/03/2012 to 5/09/2012
CHNF	589,120	2,597	227
CHNLF	18,452		
CHNW			
CHNS	16,529	6	5
CHN hatchery		636	69
SH wild	952		
SH hatchery			
*Chinook race based on length; CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, SH = Steelhead			

The hatchery Chinook catch from Tisdale and Knights Landing are most likely from the fall-run hatchery release at Battle Creek from the Coleman National Fish Hatchery.

A summary of salmonid monitoring data can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>.

Delta Monitoring

Trawl and Seine Report for 4/29/2012 to 5/05/2012				
Species*	Beach Seines**	Mossdale KDTR***	Sacramento KDTR	Chippis Is MWTR
CHNF	36		101	198
CHNLF				
CHNW				
CHNS			4	59
CHN hatchery	7		43	89
SH wild	1		1	
SH hatchery			1	
DSM				13 (2 w/eggs, 11 no expression)
LFS				
SPLT	11			
*Chinook race based on length; CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, SH = Steelhead, DSM=Delta smelt, LFS=Longfin smelt, SPLT = Splittail				

** One spray dyed Chinook was also caught in the beach seines.

*** From April through June, Mossdale trawls are being conducted by DFG (Region 4) and not by FWS. Based on preliminary data from DFG, 494 wild Chinook with an average FL of 85.5 mm were caught at the Mossdale trawls during 4/29 to 5/5. On 5/3, there were 7 acoustically tagged Chinook. In addition, two steelhead with a FL of 312 mm and 268 mm were caught on 5/3, and one fin clipped steelhead with a FL of 205 mm was caught on 5/5 with sutures observed.

Salvage

Salmonids - Salvage report for 4/30/2012 to 5/06/2012								
	CVP				SWP			
Species	Adipose Clip Hatchery		Non-Adipose Clip Wild		Adipose Clip Hatchery		Non-Adipose Clip Wild	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF*			23	19			50	211
Total to Date			67	54			58	246
CHNLF								
Total to Date	25	20	20	14				
CHNW							4	18
Total to Date	227	175	453	377	229	1,017	380	1,662
CHNS			18	15			49	213
Total to Date			566	458	4	17	437	1,866
SH**	4	3					4	17
Total to Date	397	270	81	55	192	831	239	1,035
Chinook race based on length; Adipose fin clips indicates hatchery stock; Non-adipose clip indicates natural origin. SWP steelhead loss = salvage × 4.33, CVP steelhead loss = salvage × 0.68.								

Smelts and Others – Salvage report for 4/30/2012 to 5/06/2012				
	CVP		SWP	
Species	Salvage	Total to Date	Salvage	Total to Date
DSM***	56	185	14	106
LFS****	12	875	64	2,784
SPLT		244	16	3,880
GST				
WST		64		
DSM=Delta smelt, LFS=Longfin smelt, SPLT = Splittail, GST=Green sturgeon, WST=White sturgeon				

*In the last few days, we have seen a small trend of fall-run Chinook (non-adipose clipped) being salvaged at the facilities.

**In the last couple of days, we have not salvaged any steelhead.

***Larval delta smelt < 20 mm FL were reported in larval fish samples from 4/30/2012 to 5/6/2012 at the federal facility and from 4/27/2012 to 0900 hours on 5/3/2012 at the state facility. We have also been seeing a shift in delta smelt trends this week. We are seeing fewer delta smelt salvaged at the federal facility. In comparison, salvage has increased dramatically at the state facility. As an example, the seasonal juvenile delta smelt salvage was at 28 on 5/7, but increased to 88 on 5/8 at the state facility.

****Larval longfin smelt were found in larval fish samples at the federal facility during the period from 4/30/2012 to 5/6/2012. No larval longfin smelt were found in larval fish samples at the state facility during the period from 4/27/2012 to 0900 hours on 5/3/2012.

Salvage information is posted at <ftp://ftp.dfg.ca.gov/salvage/> (you can also try <http://www.dfg.ca.gov/delta/apps/salvage/Default.aspx> and click on “salvage FTP site”). Chinook salmon, steelhead, and sturgeon salvage data are located in the tables under the folder “DOSS salvage tables.” Smelt salvage data are located under the folder “Daily Smelt Summary.”

Smelt Monitoring

The 20mm Survey #4 was in the field from 4/23 to 4/26. Processing from the survey is now complete. A total of 43 delta smelt were collected, 12 of which were adults and 31 were larvae. In addition, a total of 377 longfin smelt young of the year were collected.

The 20mm Survey #5 was in the field this week. Data processing is ongoing. So far, 43 of 141 tows have been processed. Preliminary reports show that 38 delta smelt (6 to 29 mm) and 33 longfin smelt (9 to 34 mm) have been caught. The 20mm Survey data will be posted at <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=20mm>.

Spring Kodiak Trawl #5, the last one for the season, was in the field from April 30 to May 3. A total of 120 adult delta smelt were collected. Of those collected, 64 were spent females, 9 were pre-spawn females, and 8 were ripe females. Spring Kodiak Trawl data are available online at <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SKT>.

Smelt Working Group

The Smelt Working Group met on Monday (5/7) and agreed that given their present distribution, current salvage, and Delta conditions, the risk of entrainment of delta smelt remained low. Therefore, the group recommended that no change in operations was necessary. The group also agreed that given their present distribution, existing constraining conditions was sufficient to protect longfin smelt.

Smelt Working Group notes are posted at <http://www.fws.gov/sfbaydelta/OCAP/index.cfm>.

DOSS

DOSS met on Tuesday, May 8, and discussed the usual fish monitoring and operations data. DOSS also spent considerable time reviewing the sentinel tag detection to date and discussing experimental options for the third experimental period (May 16-31). Several options were proposed by the Delta Conditions Team, and others (or variations) by DOSS members. The DOSS advice to WOMT and NMFS was to implement an initial OMR treatment level of -5,000 cfs beginning on May 16 for at least 5 days, and to initiate a 5-day action response targeting an OMR of -1,250 (or minimum combined exports of 1,500 cfs) if the Railroad Cut exposure trigger was exceeded (but not sooner than Day 5). If the 5-day action response ends before the end of the experimental period, the projects may return to the initial OMR target level of -5,000 through the end of May.

For the third experimental period, the Railroad Cut trigger level will be calculated using updated assumptions that incorporate tag detection data collected from the first experimental period and the first week of the second experimental period. Currently, the trigger comes out to 31 fish at the Railroad Cut receivers, but may change based on the actual release group size of the sentinel steelhead for the third experimental period.

DOSS notes are posted at <http://www.swr.noaa.gov/ocap/doss.htm>.

Delta Water Temperature Conditions

Water temperature at Clifton Court was at about 21.2°C on 5/9. RPA Component 2 (Action 3) of the FWS biological opinion will either end on June 30 or when the 3-day mean water temperature at Clifton Court Forebay reaches 25° C, whichever occurs first.

Water temperature at Mossdale was at about 20.2°C on 5/9. RPA Action IV.2.3 of the NMFS biological opinion will either end on June 15 or when the average daily temperature at Mossdale is greater than 22° C for 7 consecutive days, whichever occurs first.

Additional temperature data can be found at
<http://www.water.ca.gov/swp/operationscontrol/docs/delta/DeltaMisc1.pdf>.

Operations

Summary for May 10, 2012			
SWP		CVP	
Clifton Court (cfs)	700	Jones Pumping Plant (cfs)	800
Outflow (cfs)	~16,800	American - Nimbus (cfs)	5,000
Feather - Oroville (cfs)	3,500	Sacramento - Keswick (cfs)	9,000
San Luis Total (TAF)	1,561	Stanislaus - Goodwin (cfs)	
San Luis Share (TAF)	864	San Luis Share (TAF)	
X2 (Km)	69		
E/I (%)	6.5		
OMR (daily)			
OMR 5 day (cfs)	-2,895		
OMR 14 day (cfs)	-2,190		

Daily operations summary can be viewed at
<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

The next CALFED Ops meeting is scheduled on May 23, 2012 at 1:00pm. For more information, please visit the OCO website: <http://www.water.ca.gov/swp/operationscontrol/calfed/index.cfm>.

Next meeting: The next DAT conference call is scheduled for May 31, 2012 at 11:00am. There will be no meeting scheduled for next week. E-mail updates will be sent out to the group in place of the meeting.